

Course evaluation

Course evaluation form for the course EJ2222 'Design of Electrical Machines' given during autumn 2019.

Background knowledge

I had the necessary background knowledge before starting following the course.

1 2 3 4 5

I do not agree at all I agree to a very high level

Additional comments regarding background knowledge

Kort svarstext

Course book

How do you judge the quality of the content presented in the course book by Oskar Wallmark?

1 2 3 4 5

Very poor Excellent

Course book

How much of the material covered in the course book by Oskar Wallmark have you (until now) read personally?



Almost nothing



Everything

Additional comments regarding the course book

Kort svarstext

Examination

How well do you think the examination (hand-in assignments) reflects the course content?

1

2

3

4

5

Very poor



Excellent

Additional comments regarding the examination

Kort svarstext

Workload

This course corresponds to 7.5 ECTS credits which should correspond to a total workload of approximately 5 40-hours working weeks. How much time do you think you will invest (totally) on this course?

- Much more than the stipulated time
- Somewhat more than the stipulated time
- Around the stipulated time
- Somewhat less than the stipulated time
- Much less than the stipulated time

Expectations



My expectations on the course were fulfilled.

1 2 3 4 5

I do not agree at all

I agree to a very high level

Additional comments regarding the workload

Kort svarstext

Additional comments regarding the expectations

Kort svarstext

What was best with the course?

Kort svarstext

What was worst with the course?

Kort svarstext

Lectures

How do you judge the quality of the oral lectures offered by Oskar Wallmark?

1 2 3 4 5

Very poor

Excellent

Overall opinion



1 2 3 4 5

I do not agree at all

I agree to a very high level

Additional comments regarding the overall opinion

Kort svarstext

This is my best suggestion regarding future improvements of the course

Kort svarstext

Final comments regarding the course

Kort svarstext



Course evaluation EJ2222HT19

FRÅGOR

SVAR 15

15 svar

Godkänner inte svar

Meddelande till svarande

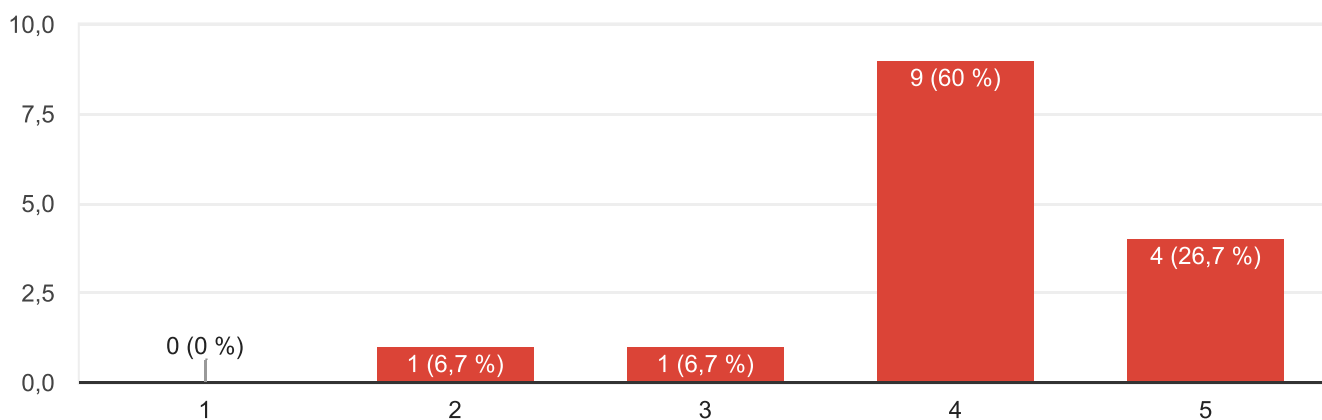
Formuläret Course evaluation tar inte längre emot svar. Kontakta formulärets ägare om du anser att detta är ett misstag.

SAMMANFATTNING

ENSKILDA SVAR

Background knowledge

15 svar



Additional comments regarding background knowledge

3 svar

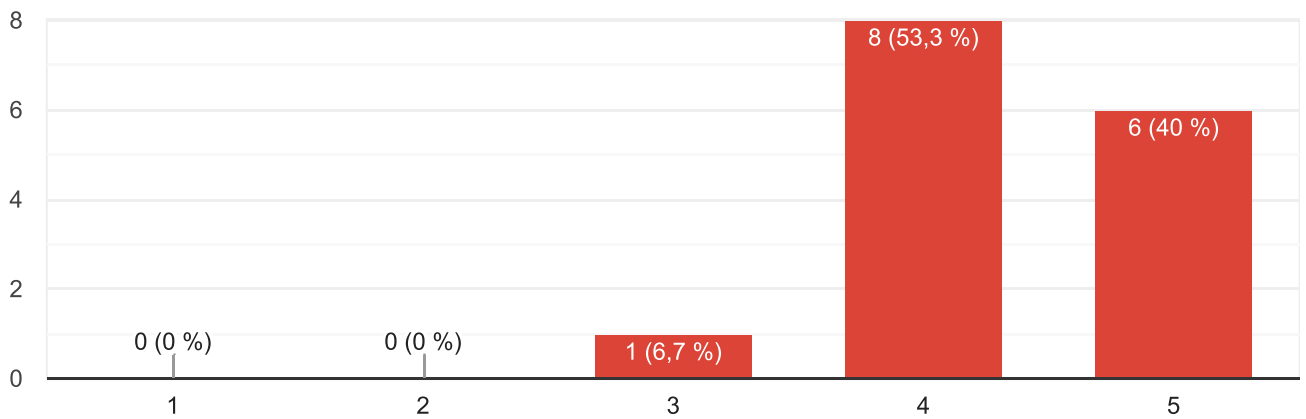
I feel somewhat I lack knowledge of Finite State modelling. Knowing basics about FEM would have made the course more interesting.

I didnt read electrical machines and drives, which is very much needed.

It would have been nice to recapitulate some basic equations and relations about Machines (not only theory, but what a change in current/voltage will provoke in general)

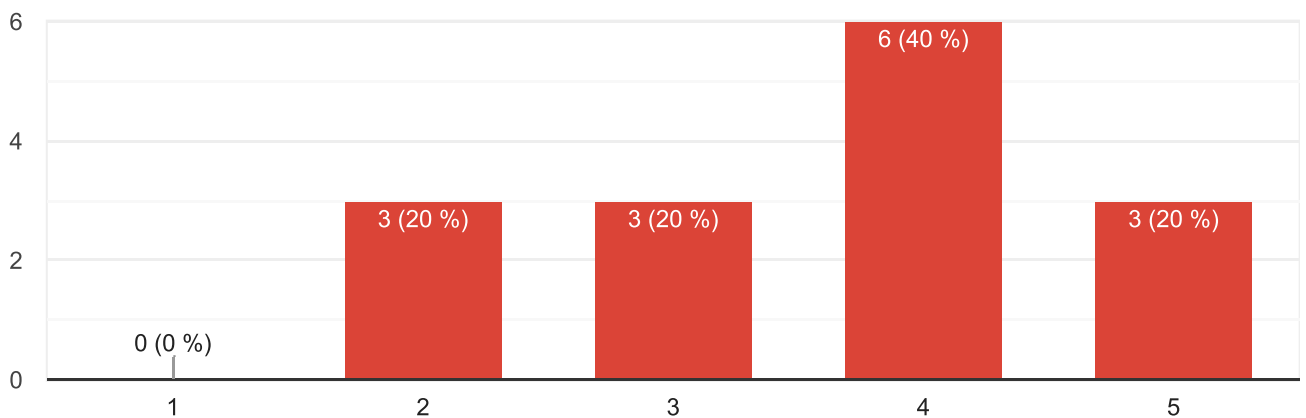
Course book

15 svar



Course book

15 svar



Additional comments regarding the course book

5 svar

The book does not have much unnessisary content, which is good

I read the section that was relevant to the projects, some questions also directly asked about method written in the book which was good.

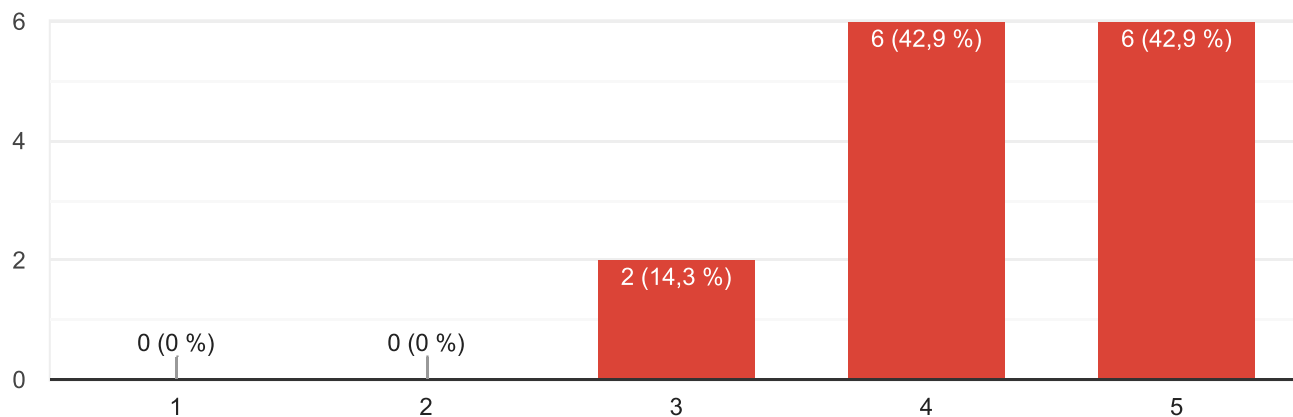
The conetent was good but some of the relations where to deep to follow some times.

It is very, very helpful, especially the list of parameters in the beginning.

Adding an index would be helpful and save much time

Examination

14 svar



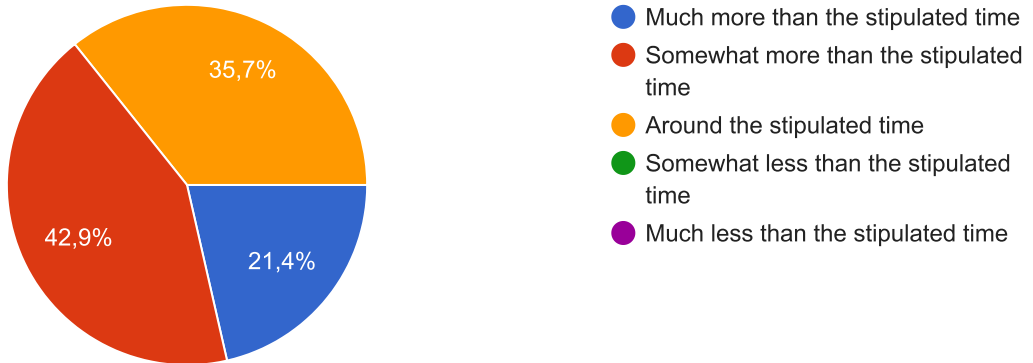
Additional comments regarding the examination

0 svar

Det finns ännu inga svar på den här frågan.

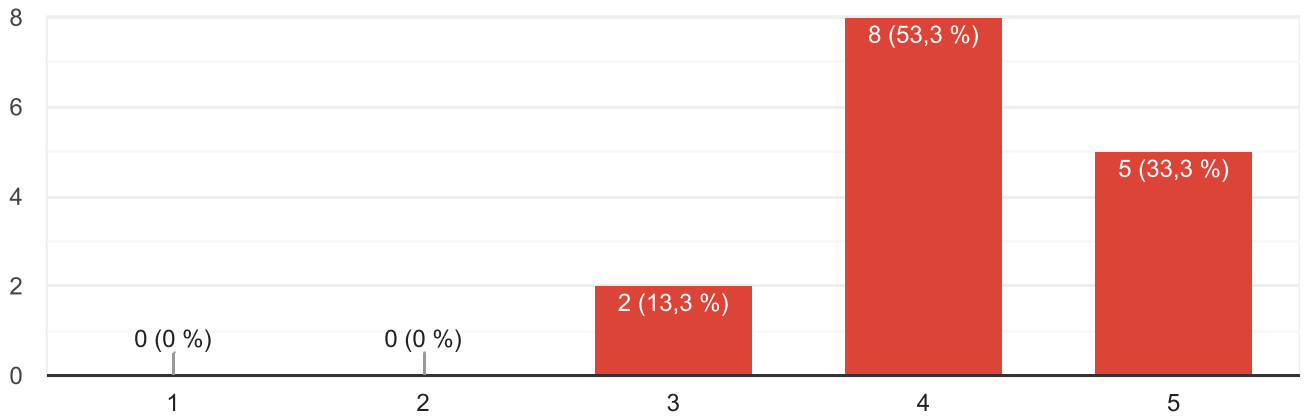
Workload

14 svar



Expectations

15 svar



Additional comments regarding the workload

4 svar

some simulations took very long time (1h) which is just unnessisary waiting time. That doesn't make the learning effective.

Im sure I have to overwork because I didnt have knowledge from electrical drives and machine

The work load was good, I wished for more lab classes may be.

For me, I spent almost two weeks in total to accomplish all the assignments, but it's worth it.

Additional comments regarding the expectations

Ett svar

Project 1 and 2 were very good since we right code on our own. For project 3 and 4 I felt somewhat lagging because few things were not clear. I was also expecting to work more on comsol so that I can be better skilled in using this software. Overall, the course was good.

What was best with the course?

11 svar

The projects were the best part of the course. We did the projects together. It was really nice that we discussed with our peers and progressed in the projects.

The encouraged work between students

It was practical which stimulates ne more to study the subject.

The homeassignments are perfect

Using FEMM

The projects were practical and very challenging which made the course more interesting.

That we had to measure the machines ourselves, all the simulations in FEMM and Comsol, the book

Getting a clearer picture of how an electrical machine functions

The projects were really interesting and the book helps a lot

Stimulating thinking

Going into details about analytical estimation of formulas

What was worst with the course?

8 svar

the simulation time for project 3

The long simulation times.

It will be better if it includes more examples

That the professor was not available during the last week of the period, because we had many questions. Alternatively or even additionally, there could have been some presence hours in the week after Period 1, because most of us were still working then, and had many questions. And also, that we had to wait one week for the results in the second hand-in. I was very nervous, and thought, that the feedback would come right on Monday, as it was the case in the first hand-in.

Basically being dependent of solving the assignments in a large group, incompatibility with used computer programs

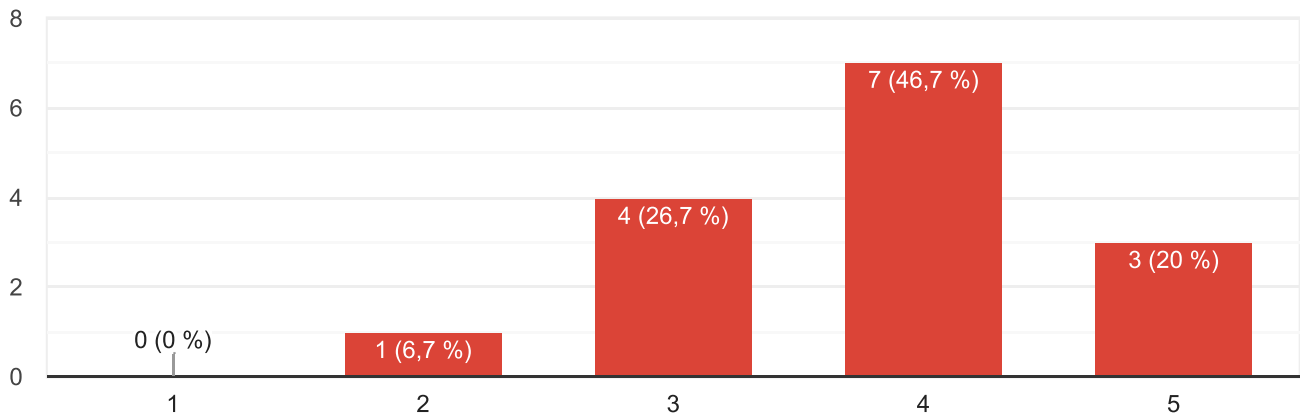
The lectures can be more dynamic

Very harsh in evaluating

Not many lectures

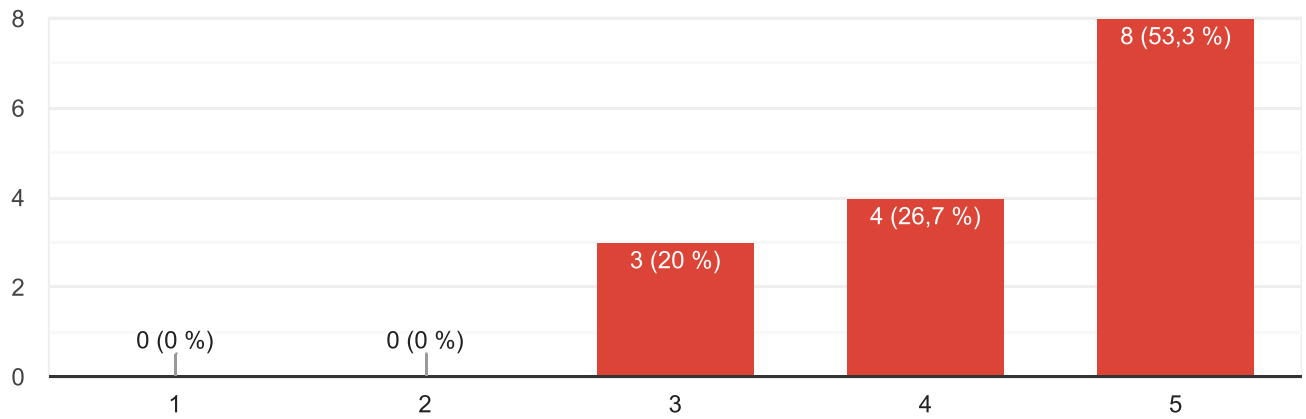
Lectures

15 svar



Overall opinion

15 svar



Additional comments regarding the overall opinion

Ett svar

Very much needed as a electrical engineer

This is my best suggestion regarding future improvements of the course

8 svar

To include projects which allow us to gain skill on comsol.

May be more labb hours with the course teacher.

As PMSM is more popular, maybe we should focus even more on the PMSM in this course

I feel that more comments can be given while giving the result of submitted projects. It would be more motivating from the student perspective to receive comments on the sent in reports.

Talk a bit more to the students (instead of the slides), maybe show more application videos, ask the students questions, make more interaction during the lessons. I know, that it might be hard to ask questions, because very often nobody answers. But I am currently doing a teaching seminar to become a teacher myself, and I learnt that: if no student answers, your question was either too hard or too simple. One should also let the silence do its work: there will be students who answer after an amount of waiting.

A lot of time was spent being stuck on minor issues which didn't necessarily improve understanding of electrical machines, would be nice if everything was more straightforward except thing directly concerning the tasks

Think about students who spent lot of time in writing

More lectures to have a more comprehensive understanding of different type of windings, double squirrel cage rotor, salient pole generators, maybe a bit of transformer analysis and design

Final comments regarding the course

6 svar

Oscar is very kind and helpful.

This was a good course that was needed for me, It also increased my interest in machines.

This course help me a lot, you shouldn't miss it, especially the homeassignments.

According to me, this course is one of the best I ever took.

The slides need to have page numbers! And it would also be nice, if the equations in the slides had the same numbering as in the book. But this is rather a detail. I find the page numbers on the slides are really necessary, to compare my notes with the slides being presented, and to see on what page we currently are. Further, it would be nice to have the book and the slides as digital version (PDF).

Good course
